

**- SERIE MRDV -**

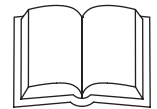
**Riduttori a Vite Senza Fine -**

*MRDV Series Worm-Gear Speed Reducers*



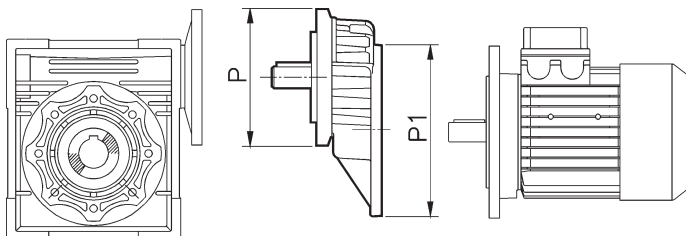
**ELLE.GI SRL**

**Organi di Trasmissione**



**PC+MRDV PC+MRDV Combinations**

MRDV	i	PC 063		PC 071		PC 080			PC 090		
		105 / 11 i = 3	105 / 14 i = 3	120 / 14 i = 3	120 / 19 i = 3	160 / 19 i = 3	160 / 24 i = 3	160 / 28 i = 3	160 / 19 i = 2.42	160 / 24 i = 2.42	160 / 28 i = 2.42
040	25										
	30										
	40										
	50										
	60										
	80										
050	100										
	25										
	30										
	40										
	50										
	60										
063	80										
	100										
	25										
	30										
	40										
	50										
075	60										
	80										
	100										
	25										
	30										
	40										
090	50										
	60										
	80										
	100										
	25										
	30										
110	40										
	50										
	60										
	80										
	100										
	25										
130	30										
	40										
	50										
	60										
	80										
	100										



	P1	P	P*
<b>PC 063</b>	63B5-140/11	105/11	105/14*
<b>PC 071</b>	71B5-160/14	120/14	120/19*
<b>PC 080</b>	80B5-200/19	160/19	160/24* 160/28*
<b>PC 090</b>	90B5-200/24	160/24	160/19* 160/28*

**(\*) MODELLO NON STANDARD**  
(\*) Nonstandard model



**Posizioni di montaggio - Mounting positions**

<b>MRDV - RDV</b>			
<b>MRDV...U - B3</b>	<b>B6</b>	<b>V5</b>	<b>V6</b>

<b>PC - MRDV</b>			
<b>MRDV...U - B3</b>	<b>B6</b>	<b>V5</b>	<b>V6</b>

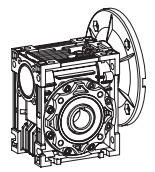
**La versione "U" è relativa alla grandezza 25 sino alla 75. Per le altre grandezze non è necessario specificare la posizione di montaggio.**


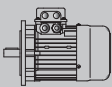

- **Per le posizioni verticali vedere tabella a pagina 13;**
- **Se non è specificata la posizione di montaggio verrà considerata quella standard in B3;**
- **Per altre posizioni consultare il nostro ufficio tecnico.**

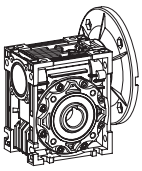
"U" version is related to sizes from 025 to 075. For these sizes it is not necessary to specify mounting position.

- For vertical positions, please refer to the table on page 13.
- Unless specified otherwise, the standard positions are B3.
- For positions not envisaged, it is necessary to call our Technical Service.


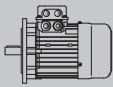

# PRESTAZIONI - PERFORMANCE PARAMETER



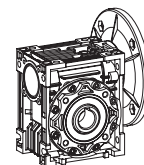
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$f_s$			
<b>0.18</b>	35	32	40	2298	1.3	<b>MRDV040</b>	<b>6324</b>	60
	28	38	50	2475	1			
	23.3	43	60	2630	0.8			
	45	29	20	2113	1.5	<b>MRDV040</b>	<b>7116</b>	60
	36	34	25	2276	1.3			
	30	38	30	2419	1.3			
	22.5	47	40	2662	1			
	18.7	64	75	2833	0.8	<b>PC063+MRDV040</b>	<b>6324</b>	67
	15.6	70	90	3011	0.8			
	11.7	85	120	3314	0.6			
	46.7	24	60	2865	2.1	<b>MRDV050</b>	<b>6312</b>	61
	35	30	80	3153	1.5			
	28	34	100	3397	1.2			
	35	33	40	3153	2.3	<b>MRDV050</b>	<b>6324</b>	61
	28	39	50	3397	1.9			
	23.3	43	60	3610	1.6			
	17.5	52	80	3973	1.2			
	14	60	100	4280	0.9			
18	56	50	3936	1.4	<b>MRDV050</b>	<b>7116</b>	61	
15	63	60	4183	1.1				
11.3	75	80	4604	0.9				
18.7	64	75	3889	1.4	<b>PC063+MRDV050</b>	<b>6324</b>	67	
15.6	71	90	4132	1.5				
11.7	87	120	4548	1.1				
9.3	101	150	4840	0.9				
7.8	113	180	4840	0.7				
5.8	133	240	4840	0.6				
12	95	75	4506	1.2	<b>PC071+MRDV050</b>	<b>7116</b>	68	
10	105	90	4788	1.4				
7.5	126	120	4840	1				
15	66	60	5467	2.1	<b>MRDV063</b>	<b>7116</b>	62	
11.3	79	80	6018	1.6				
9	90	100	6270	1.4				
9.3	103	150	6270	1.7	<b>PC063+MRDV063</b>	<b>6324</b>	68	
7.8	117	180	6270	1.4				
5.8	139	240	6270	1				
4.7	155	300	6270	0.8				


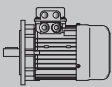



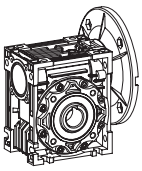
## PRESTAZIONI - PERFORMANCE PARAMETER

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.18</b>	12	97	75	5889	2.2	<b>PC071+MRDV063</b>	<b>7116</b>	68
	10	107	90	6259	2.4			
	7.5	131	120	6270	1.8			
	6	152	150	6270	1.4			
	5	168	180	6270	1.2			
	3.8	197	240	6270	0.9			
	3	218	300	6270	0.7			
	3.5	222	400	6270	1	<b>MRDV030+063</b>	<b>6324</b>	72
	2.8	257	500	6270	0.8			
	5	179	180	7380	1.7	<b>PC071+MRDV075</b>	<b>7116</b>	69
	3.8	211	240	7380	1.2			
	3	235	300	7380	1			
	2.3	362	600	7380	1.1	<b>MRDV040+075</b>	<b>6324</b>	73
	1.9	435	750	7380	0.9			
1.6	487	900	7380	0.8				
1.2	629	1200	8180	1	<b>MRDV040+090</b>	<b>6324</b>	73	
0.93	735	1500	8180	0.8				
0.8	861	1800	10320	1.5	<b>MRDV050+110</b>	<b>6324</b>	73	
0.58	1113	2400	10320	1.1				
<b>0.25</b>	373.3	5.6	7.5	542	2.3	<b>MRDV030</b>	<b>6322</b>	59
	280	7.2	10	597	1.8			
	186.7	10	15	683	1.3			
	140	13	20	752	0.9			
	112	16	25	810	1			
	93.3	18	30	861	0.8			
	186.7	11	7.5	1315	3.6	<b>MRDV040</b>	<b>7114</b>	60
	140	14	10	1447	2.8			
	93.3	21	15	1657	1.9			
	70	27	20	1824	1.5			
	56	32	25	1964	1.2			
	46.7	36	30	2087	1.3			
	35	44	40	2298	0.9			
	120	17	7.5	1524	2.6	<b>MRDV040</b>	<b>7126</b>	60
	90	22	10	1677	2			
	60	31	15	1920	1.4			
	45	40	20	2113	1.1			
	36	48	25	2276	0.9			
	30	53	30	2419	0.9			
	35	42	80	3153	1.1	<b>MRDV050</b>	<b>6322</b>	61
	28	48	100	3397	0.8			


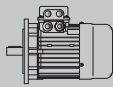

# PRESTAZIONI - PERFORMANCE PARAMETER



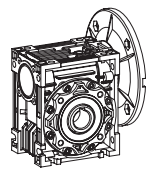
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$f_s$			
<b>0.25</b>	70	27	20	2503	2.7	<b>MRDV050</b>	<b>7114</b>	61
	56	32	25	2696	2.2			
	46.7	37	30	2865	2.3			
	35	46	40	3153	1.7			
	28	54	50	3397	1.4			
	23.3	60	60	3610	1.1			
	17.5	72	80	3973	0.9			
	45	40	20	2900	1.9	<b>MRDV050</b>	<b>7126</b>	61
	36	48	25	3124	1.5			
	30	54	30	3320	1.7			
	22.5	67	40	3654	1.2			
	18	78	50	3936	1			
	15	88	60	4183	0.8			
	18.7	88	75	3889	1	<b>PC071+MRDV050</b>	<b>7114</b>	68
	15.6	98	90	4132	1.1			
	11.7	121	120	4548	0.8			
	28	56	50	4440	2.4	<b>MRDV063</b>	<b>7114</b>	62
	23.3	63	60	4719	2			
	17.5	78	80	5193	1.6			
	14	87	100	5595	1.4			
	18	81	50	5145	1.8	<b>MRDV063</b>	<b>7126</b>	62
	15	92	60	5467	1.5			
	11.3	110	80	6018	1.2			
	9	125	100	6270	1			
	18.7	91	75	5083	1.8	<b>PC071+MRDV063</b>	<b>7114</b>	68
	15.6	100	90	5401	2			
	11.7	125	120	5945	1.5			
	9.3	143	150	6270	1.2			
	7.8	163	180	6270	1			
	5.8	192	240	6270	0.7			
	4.7	215	300	6270	0.6			
	12	135	75	5889	1.6			
	10	148	90	6259	1.8	<b>PC071+MRDV063</b>	<b>7126</b>	68
	7.5	181	120	6270	1.3			
	6	211	150	6270	1			
	7	159	400	6270	1.4			
	5.6	185	500	6270	1.2			
	17.5	82	80	6130	2.3	<b>MRDV075</b>	<b>7114</b>	63
	14	94	100	6603	1.9			


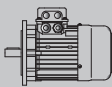



## PRESTAZIONI - PERFORMANCE PARAMETER

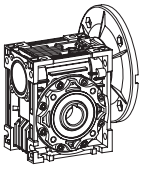
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.25</b>	11.3	117	80	7103	1.7	<b>MRDV075</b>	<b>7126</b>	63
	9	133	100	7380	1.4			
	9.3	151	150	7380	1.7	<b>PC071+MRDV075</b>	<b>7114</b>	69
	7.8	172	180	7380	1.4			
	5.8	201	240	7380	1.1			
	4.7	230	300	7380	0.9			
	12	139	75	6952	2.4	<b>PC071+MRDV075</b>	<b>7126</b>	69
	10	155	90	7380	2.5			
	7.5	191	120	7380	1.9			
	6	219	150	7380	1.5			
	5	248	180	7380	1.2			
	3.5	336	400	7380	1.1			
	2.8	384	500	7380	0.8			
	5	263	180	8180	1.9	<b>PC071+MRDV090</b>	<b>7126</b>	69
	3.8	318	240	8180	1.4			
	3	358	300	8180	1.1			
	2.3	512	600	8180	1.2	<b>MRDV040+090</b>	<b>7114</b>	73
	1.9	598	750	8180	0.9			
	1.6	667	900	8180	0.8			
	1.2	943	1200	10320	1.3			
0.93	1064	1500	10320	1.2				
0.78	1195	1800	10320	1.1				
0.6	1624	2400	13500	1	<b>MRDV063+130</b>	<b>7114</b>	74	
0.47	1935	3000	13500	0.8				
0.35	2046	4000	13500	0.6				
0.28	2430	5000	13500	0.5				
0.2	2430	5000	13500	0.5				
<b>0.37</b>	373.3	8.4	7.5	1044	3.3	<b>MRDV040</b>	<b>7112</b>	60
	280	11	10	1149	2.6			
	186.7	16	15	1315	1.9			
	140	21	20	1447	1.4	<b>MRDV040</b>	<b>7112</b>	60
	112	25	25	1559	1.1			
	186.7	16	7.5	1315	2.4	<b>MRDV040</b>	<b>7124</b>	60
	140	21	10	1447	1.9			
	93.3	31	15	1657	1.3			
	70	39	20	1824	1			
	56	47	25	1964	0.8			
	46.7	53	30	2087	0.8			
	46.7	53	30	2087	0.8			

# PRESTAZIONI - PERFORMANCE PARAMETER


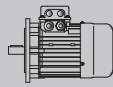



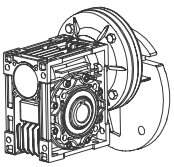
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.37</b>	112	25	25	2140	2	<b>MRDV050</b>	<b>7112</b>	61
	93.3	29	30	2274	2.2			
	70	37	40	2503	1.6			
	56	44	50	2696	1.2			
	46.7	50	60	2865	1	<b>MRDV050</b>	<b>7112</b>	61
	35	62	80	3153	0.7			
	140	22	10	1987	3.3	<b>MRDV050</b>	<b>7124</b>	61
	93.3	31	15	2274	2.4			
	70	40	20	2503	1.8			
	56	48	25	2696	1.5			
	46.7	55	30	2865	1.5			
	35	68	40	3153	1.1			
	28	80	50	3397	0.9	<b>MRDV050</b>	<b>7124</b>	61
	23.3	89	60	3610	0.8			
	120	25	7.5	2091	3.3	<b>MRDV050</b>	<b>8016</b>	61
	90	33	10	2302	2.5			
	60	47	15	2635	1.8			
	45	60	20	2900	1.3			
	36	72	25	3124	1			
	30	80	30	3320	1.1			
35	71	40	4122	2.1	<b>MRDV063</b>	<b>7124</b>	62	
28	83	50	4440	1.6				
23.3	94	60	4719	1.4				
17.5	115	80	5193	1.1				
14	129	100	5595	0.9				
45	60	20	3791	2.4	<b>MRDV063</b>	<b>8016</b>	62	
36	74	25	4084	1.9				
30	82	30	4339	2.1				
22.5	102	40	4776	1.6				
18	120	50	5145	1.2				
15	137	60	5467	1				
18.7	134	75	5083	1.2	<b>PC071+MRDV063</b>	<b>7124</b>	68	
15.6	148	90	5401	1.4				
11.7	185	120	5945	1				
9.3	212	150	6270	0.8				
9.3	181	300	6270	1.3	<b>MRDV030+063</b>	<b>7112</b>	72	
7	236	400	6270	1				
23.3	98	60	5569	2	<b>MRDV075</b>	<b>7124</b>	63	
17.5	121	80	6130	1.6				
14	139	100	6603	1.3				





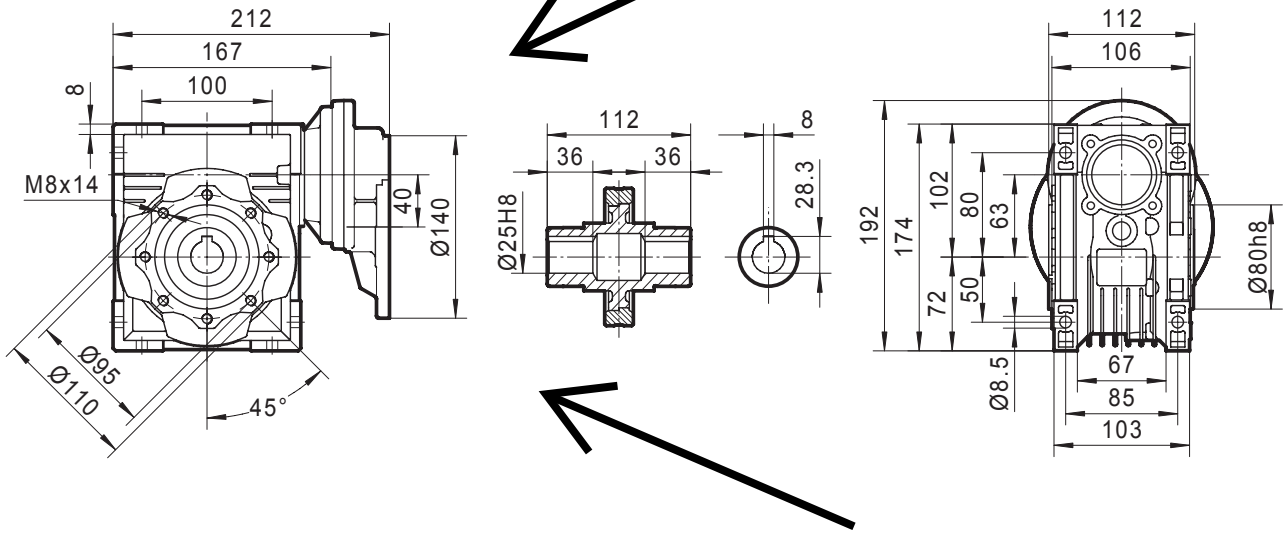
## PRESTAZIONI - PERFORMANCE PARAMETER

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	$i$	$Fr_2$ [N]	$fs$			
<b>0.37</b>	18	126	50	6073	1.8	<b>MRDV075</b>	<b>8016</b>	63
	15	144	60	6453	1.5			
	11.3	173	80	7103	1.2			
	9	196	100	7380	1			
	18.7	138	75	6000	1.8	<b>PC071+MRDV075</b>	<b>7124</b>	69
	15.6	154	90	6375	1.9			
	11.7	191	120	7017	1.5			
	9.3	223	150	7380	1.1			
	7.8	254	180	7380	0.9			
	12	206	75	6952	1.6	<b>PC080+MRDV075</b>	<b>8016</b>	69
	10	230	90	7380	1.7			
	7.5	283	120	7380	1.3			
	6	324	150	7380	1			
	4.7	405	300	7380	1	<b>MRDV040+075</b>	<b>7124</b>	73
	3.5	498	400	7380	0.7			
	11.3	185	80	7859	1.7	<b>MRDV090</b>	<b>8016</b>	64
	9	212	100	8180	1.3			
	7.8	268	180	8180	1.5	<b>PC071+MRDV090</b>	<b>7124</b>	69
	5.8	321	240	8180	1.1			
	4.7	371	300	8180	0.9			
6	347	150	8180	1.6	<b>PC080+MRDV090</b>	<b>8016</b>	70	
5	389	180	8180	1.3				
3.8	471	240	8180	1				
4.7	402	300	8180	1.5	<b>MRDV040+090</b>	<b>7124</b>	73	
3.5	523	400	8180	1.2				
2.8	611	500	8180	0.9				
2.3	757	600	8180	0.8				
3.8	509	240	10320	1.6				<b>PC080+MRDV110</b>
3	577	300	10320	1.3				
1.9	950	750	10320	1.3	<b>MRDV050+110</b>	<b>7124</b>	73	
1.6	1079	900	10320	1.2				
1.2	1396	1200	10320	0.8				
0.9	1674	1500	13500	1.1	<b>MRDV063+130</b>	<b>7124</b>	74	
0.78	1887	1800	13500	0.9				
<b>0.55</b>	373.3	13	7.5	1044	2.2	<b>MRDV040</b>	<b>7122</b>	60
	280	17	10	1149	1.8			
	186.7	24	15	1315	1.3			
	140	31	20	1447	0.9			
	112	37	25	1559	0.8			

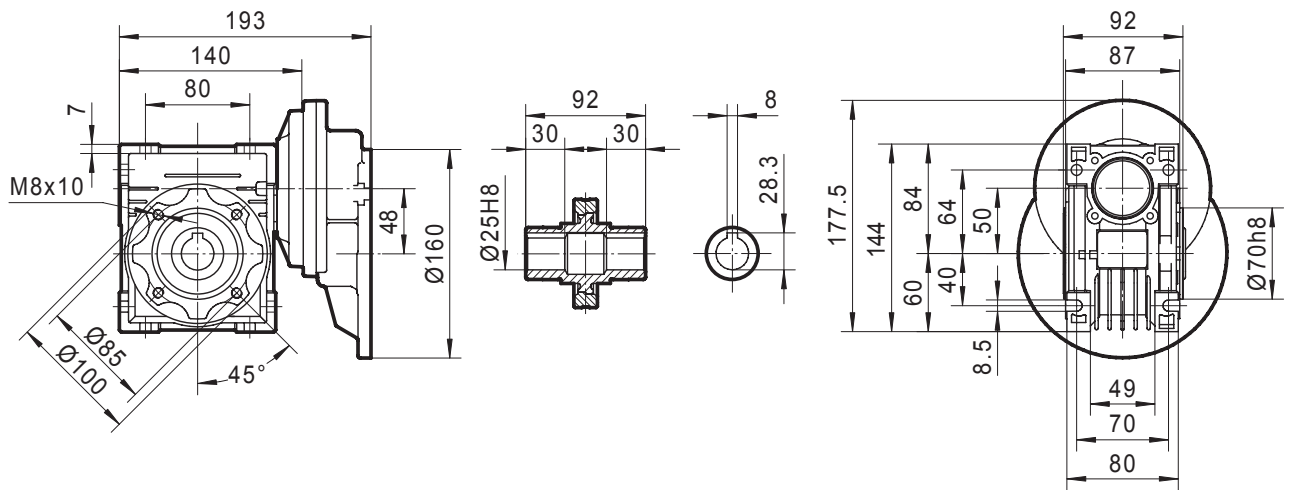


# DIMENSIONI MRDV - MRDV SERIES DIMENSIONS

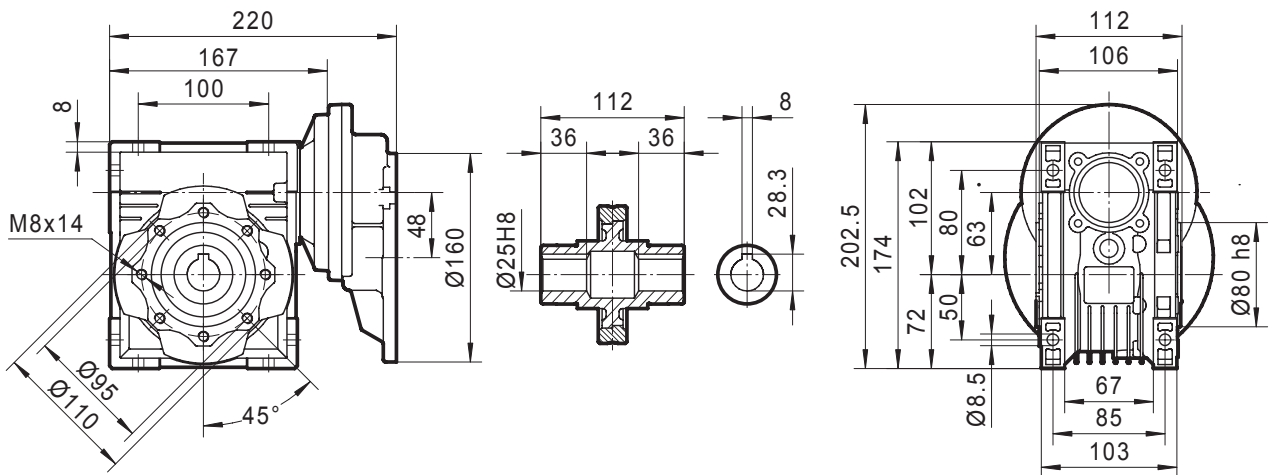
## PC063 + MRDV063



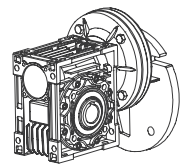
## PC071 + MRDV050



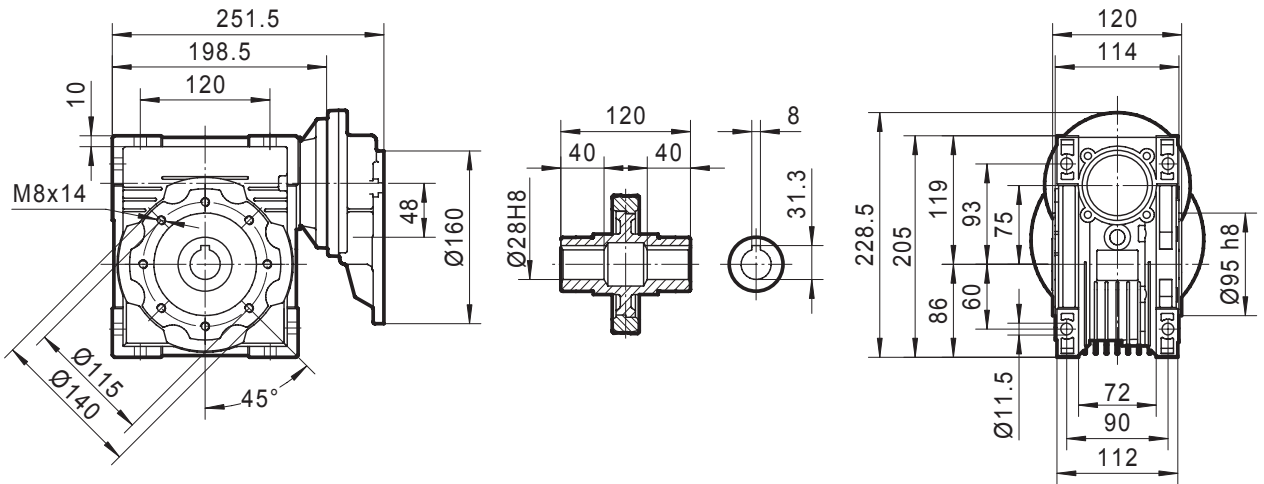
## PC071 + MRDV063



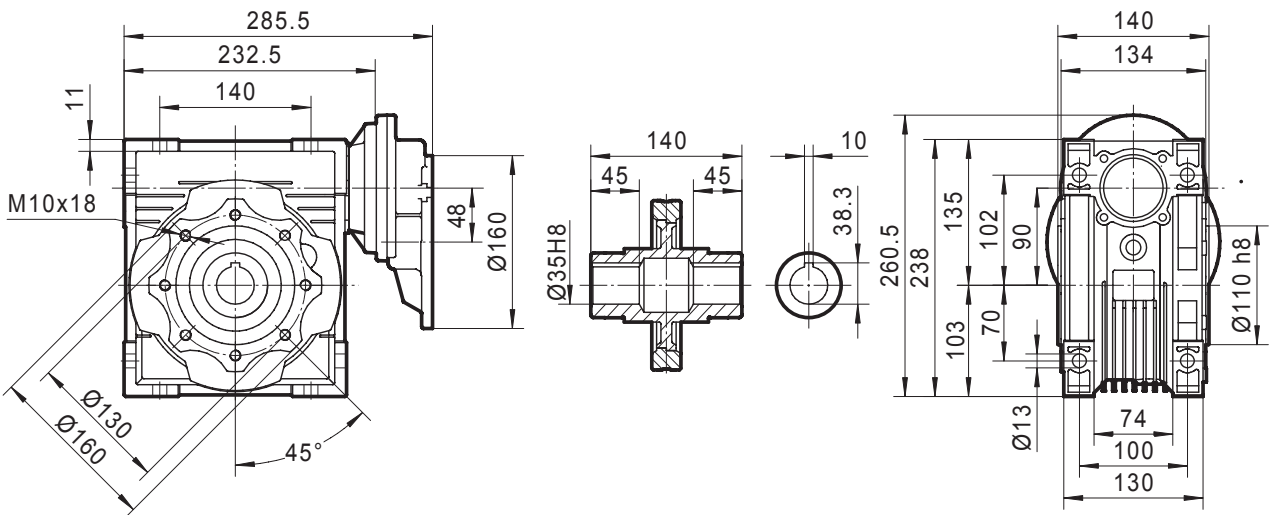
# DIMENSIONI MRDV - MRDV SERIES DIMENSIONS



## PC071 + MRDV075



## PC071 + MRDV090



## PC080 + MRDV075

